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50c. PER YEAR, IN ADVANC

FUEL SAVED BY GOOD ROADS

Wear and Tear on Trucks and Amount of Gasoline Consumed Shown in Recent Ohio Test.

A test conducted in Ohio recently to determine the saving in gasoline from running over a good road as compared with gas consumption over bad and medium-grade roads, disclosed a surprising difference. Five new army standard "A" trucks with seven different types of road service, showed a gain of six miles per gallon of fuel between the best and worst types of roads. All the trucks were empty during the test.

The trucks loaded showed that the poor road took seven times as much

gasoline per mile as the good one. The test results showed an average of 5.78 miles per gallon over a dirt road in good condition, 7.19 over fair gravel, 9.39 over good gravel, about the same over fair bituminous macadam and good brick roads, 11.44 over extra smooth brick and 11.78 over good

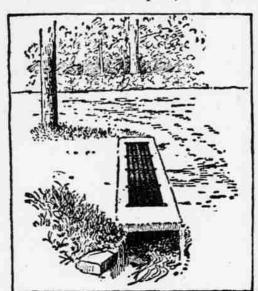
The saving to the motoring public in gasoline alone would amount to millions of dollars annually. Perhaps equal to this would be the saving in tires, which is considered as important an item of car upkeep as is gasoline. Calculating the saving in wear and tear on the mechanism of cars and trucks and also the item of time lost by poor roads, adequate highways are undoubtedly a sane investment.

### CULVERT IS EASILY CLEANED

Much Trouble Obviated by Invention of Grate or Iron Bars, Resting in Notches.

Often culverts under roads and paths become clogged with debris and frequently give trouble because they cannot be readily cleaned. The device illustrated obviates all this difficulty: It coasists of a grate of iron bars supported by crosspleces which rest in notches or upon the surface of stonework or concrete, says American Agriculturist. The bars and the crosspleces should be of heavy enough material to support any load that will be driven across the grating.

The one from which this drawing was made is in a footpath, so the bars



Grating Easily Lifted.

were only 11/2 inches wide and pieces are of the same material, bent at the ends and riveted to the bars. All that is necessary to clean such a | the dog to bite. culvert is to lift the grating and do the work with a spade or a hoe.

## HIGHWAYS IN SOUTH DAKOTA

State Has £000 Miles of Improved Roads-Only Ten Other States Exceed in Mileage.

South Dakota has 6,000 miles of main highways, out of a total of 203,-523 in the United States. Definite road systems have been established in 44 states, either through legislative action or through state and local officials. North Dakota has 4,000 miles and Minnesota 12,700. Only ten states exceed South Dakota in mileage, while several of them have less than 1,000 miles of main highway.

## BIG HIGHWAY APPROPRIATION | We have found this paid as well with

for Improvements to Cost \$3,000,000 in 1920.

The total estimated cost of highway ing state highway department has let contracts, and which will be completed during the present year, exceeds \$3,000,000. This total represents \$15 for each inhabitant of the state.

## Moroccan Road Traffic.

merchandise by motortrucks.

Cities Could Not Survive. Without roads, cities could not survive, and country-folk would be without many of the present necessities, they are now able to enjoy.

Animal Should Be Handled in Such Way as Best to Further Welfare of the Community.

Many diseases of man and domestic animals are carried by dogs. Everybody, of course, knows that the dog is responsible for rables, but it is not so generally known that the dog is equally responsible for other fatal diseases. Among them may be mentioned hydatid and gid in man and stock, tapeworm in man and especially in children, tongue worm in man and stock, "measles" in sheep, cysticercosis of the liver in stock. Some of these parasites depend so absolutely on dogs as carriers that they would become extinct if dogs were not available as hosts. Dogs probably play a part, also, in the spread of diseases due to fungi, such as ringworm and favus, and they certainly play a part in the spread of diseases that may be carried by fleas and ticks.

The United States department of agriculture, while recognizing the dog as a useful domestic animal, insists



There Are Three Kinds of Dogs-The Ownerless Dog, the Other Person's Dog and Your Own Dog.

that care must be taken to minimize the danger of diseases spread by them. In a general way, say the specialists of the department, there are three kinds of dogs-the ownerless dog, the other person's dog, and your own dog. The stray dog which recognizes no

modern scheme of civilization and must be eliminated. A dog that is allowed by the owner to wander at large will have substantially the same habits of life, the same sort of food, and be practically as dangerous as the ownerless dog. You have the right

to insist, they point out, that such

owner, they say, does not fit into the

dogs keep off your premises. Your own dog should be handled in such a way as best to further the welfare of the dog and the community. He should be kept in restraint and not allowed the full freedom of the house or even of the outside premises. He should not be allowed to be famillar with people, and especially with children. The dog should be kept free from external parasites by frequent baths and, if necessary, other appropriate measures, and should be freed from internal parasites by suitable measures and kept free by adequate attention to his food. He should only be allowed to leave the yard or the kernels in company with some person, and wherever conditions call for it should be kept in leash. When away from home the dog should be muzzled with a reliable metal muzzle, not with a strap muzzle that would be cruel to the dog if tight enough quarter of an inch thick. The cross- to be effective and which is usually so loose as merely to give a false sense of security, since it permits

## PURE-BRED SIRES SAVE CASH

Texas Breeder Finds Best Is Cheapest Whether With Cattle, Hogs or Other Animals.

"We have been in the cattle business for more than 35 years and have always kept the best pure-bred sires

With this remark in a letter to the federal bureau of animal industry, C. H. Faires, a Texan, applied for enrollment in the "Better Sires-Better Stock" campaign.

"We have always tried to teach the people to use pure-bred sires of all kinds of stock," he added. "Our motto is the 'best is the cheapest' of anything we raise whether it be cattle, horses, mules, sheep, poultry or dogs. dogs as with everything else."-United State of Wyoming Has Let Contracts States Department of Agriculture.

## CATTLE SHRINK IN TRANSIT

Owner Loses Considerable by Not Taking Proper Precautions in Shipping Live Stock.

Investigations by the Colorado agricultural college are beginning to show that shrinkage of live stock when shipped to market can be greatly reduced. The most important thing is Traffic on the (French) Moroccan a comfortable car and not much crowdhighways is very large. In addition to ing. The next thing is to have the the transport of passengers by pri- animals well fed and contented when vate or public automobiles, the roads they are loaded and until they are permit an important movement of sold at the terminal market. In other words, plenty of feed and water and comfortable quarters are most impor-

"Some farmers," says R. W. Clark, live stock specialist for that institution, "ship regularly with little or no comforts, and luxuries of life, which shrinkage, while others at all times have enormous shrinkage."



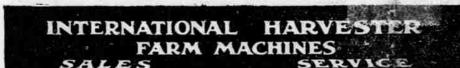
## Add Hours to Your Rest Time

IT isn't the big work on the farm that keeps you on the everlasting jump\_ the endless little jobs do that. They have got to be done; they are absolutely necessary. But you want and need "breathing spells"-time for reading and resting.

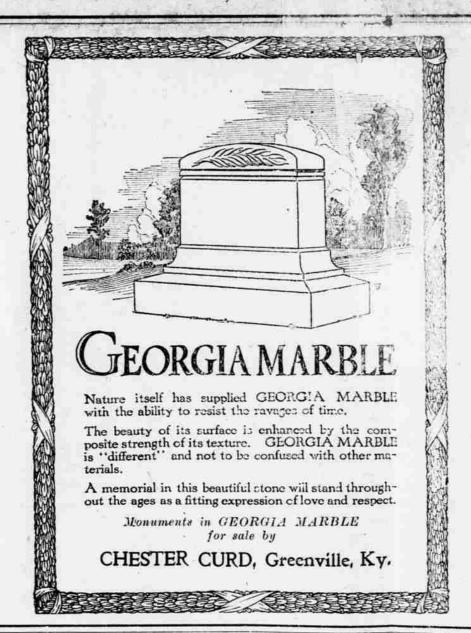
Why not have them? The International Kerosene Engine, built by men who know your needs, gives you the power - always dependable - that will take care of these "odds and ends" and give you time to tackle the bigger problems.

The International burns kerosene successfully. which means low fuel cost. It is strong, durable, simple and safe. It wears wonderfully and supplies steady power during all its long lifetime. You have a lot of power work on your farm that must be done and that this engine will do, well and cheaply.

Then there is the matter of service and repair parts. We are here to supply both without annoying delays. We would be glad to show you what this engine will do for you. Come in and see it. There are four sizes -



ELKINS & KIMMEL, Greenville, Kentucky

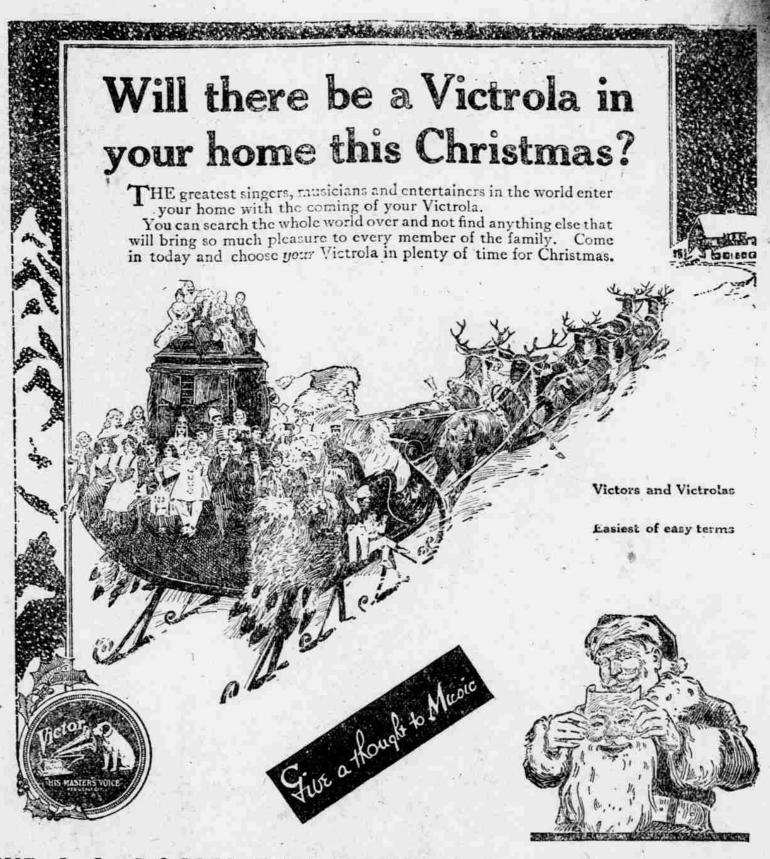


# DIGESTION WAS BAD

Says 65 year Old Kentucky Lady, Who Tells How She Was Relieved After a Few Doses of Black-Draught.

Meadorsville, Ky.-Mrs. Cynthia | doses of Black-Draught.". Higginbotham, of this town, says: "At my age, which is 65, the liver does not act so well as when young. A few didn't act. My digestion was bad, and it took so little to upset me. My appetite was gone. I was very weak ... trouble was soon righted with a few All druggists.

Seventy years of successful use bay made Thedford's Black-Draught a standard, household remedy. Every member, of every family, at times, years ago, my stomach was all out of need the help that Black-Draught can fix. I was constipated, my liver give in cleansing the system and relieving the troubles that come from constipation, indigestion, last liver. etc. You cannot keep well unless your I decided I would give Black- stemach, liver and bowels are in good Draught a thorough trial as I knew it | working order. Keep them that way. was highly recommended for this Try Black-Draught. It acts promptly, trouble. I began taking it. I felt gently and in a natural way. If you better after a few doses. My appetite feel sluggish, take a dose tonight. improved and I became stronger. My You will feel fresh tomorrow. Price bowels acted naturally and the least 25c. a package-One cent a dose



THE J. L. ROARK ESTATE, Distributors, Greenville, Ky.





R. J. Reynolds Tobacco Company, Winston-Salem, N. C.

RNING PIPE AND